

November 21, 1951

Dear Roger:

I just received the original of the enclosed copy. No comment should be necessary.

Their strains, both R and S, are extremely heterogeneous, consisting mostly of very tiny colonies, peppered with a few normal sized. These are being checked for aeration response. I shouldn't be surprised if there is an interesting petite-colony story here, but doubtful whether it would have anything to do with streptomycin. If some non-aerobic mutants can be found, would you be willing to check the cytochromes, while I try to find whether their occurrence can be experimentally controlled?

The actinomycetes are moving along very nicely. The first two auxotrophs seem to react with each other to give a prototroph, but of course I don't know yet whether this is merely heterokaryosis, or something even more interesting.

We don't have a copy of Orskov's manual here. Is there much in it that's not covered by Lieske and Waksman? I've written away for a microfilm of Badian's paper.

Yours sincerely,

Joshua Lederberg

P.S. I hope the current batch of cultures grew all right!